OMEGACOMM

OMEGA Communications

Operator's Manual

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* * * OMEGA COMMUNICATIONS * * *

OMEGACOMM is used to send documents between two Compucorp OMEGA wordprocessors. The communications instructions to the computer are simple and easily understood. Operation may be attended, with an operator, or unattended, without an operator. The connection between the two wordprocessors may be by cable, for communications in the same building, or via the telephone network, for longer distances.

Communication is controlled by an OMEGACOMM document, one OMEGACOMM document in each wordprocessor. The OMEGACOMM document contains communications instructions created by the operator using OMEGA and is stored on disk. These instructions can specify which documents to send to or request from the other wordprocessor. They can also specify which disk to store and send data from, as well as other set-up parameters.

To execute the OMEGACOMM instructions, the operator of each wordprocessor INDEXes the disk, puts the cursor on the OMEGACOMM document and presses COMMAND GREEN key. This starts the communication procedure. The display screen continually informs the operator of the progress of the communications.

The simplicity of OMEGACOMM requires only a basic understanding of the OMEGA wordprocessing system. The OMEGA functions used for OMEGACOMM are typing and editing, SAVE, RECALL and INDEX.

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WRITING THE OMEGACOMM DOCUMENT

Communication is controlled by instructions in the OMEGACOMM document of each wordprocessor. This section describes how to write the OMEGACOMM Document. The next two sections describe the instructions which may be given in the OMEGACOMM Document.

1. **On LINE 1 of a clear screen, type: OMEGACOMM.**
   OMEGACOMM must be typed in capitals and be on Line 1. There must be no other instructions on this line.

2. **Press RETURN to go to the next line.**

3. **Type any set-up instructions.**
   If any of the optional "set-up" instructions are to be used, they must follow OMEGACOMM. They are listed below and are described in the section, "OMEGACOMM Instructions."

   Each instruction is typed in capital letters on a separate line. The set-up instructions may be in any order. There must be a space between the instruction word and text typed in quotes.

CONNECTOR "--"	To redefine the connector used.
DISK "--"	To redefine the disk drive used.
UNATTENDED	For unattended operation.
BAUD "--"	To redefine the baud rate.
REPEAT	To return to OMEGACOMM instead of OMEGA after communication is finished.
FILTER "--" or OMEGAFILTER	To reload the SIO print filter upon return to OMEGA.

4. **Type any transmission instructions.**
   These are the CHAT, SEND or REQUEST instructions. They are listed below and described in the section "OMEGACOMM Instructions". If any of these are used they must follow any set-up instructions.

   Each instruction is typed in capital letters on a separate line. They may be in any order. There must be a space between the instruction word and document name typed in quotes.

CHAT	For keyboard communication.
SEND "document name"	To send a document to the other wordprocessor.
REQUEST "document name"	To request a document from the other wordprocessor.

continued...

5. **SAVE the OMEGACOMM document on a disk.**
When both wordprocessors have OMEGACOMM documents OMEGA Communications may be performed.

Note: Although both wordprocessor must have an OMEGACOMM document, transmission instructions need to be in only one of these documents.

Example:
A typical OMEGACOMM document in a wordprocessor may look like this:

```
OMEGACOMM
SEND "Smith Contract, Revised"
SEND "Notes on Smith Meeting"
REQUEST "October Shortage Report"
```

A typical OMEGACOMM document in the corresponding wordprocessor may look like this:

```
OMEGACOMM
DISK "C"
```

OMEGACOMM INSTRUCTIONS

The OMEGACOMM document is comprised of OMEGACOMM Instructions. This section describes the instructions available and is divided into three parts: OMEGACOMM Instruction, Transmission Instructions and Set-Up Instructions. Note that the transmission instructions and set-up instructions are optional.

The instructions given below must be typed in capital letters. Each instruction must be typed on a separate line. Text is typed in quotes. There must be a space between an instruction word and text typed in quotes.

OMEGACOMM INSTRUCTION:

OMEGACOMM This is the first instruction in the OMEGACOMM document and must be typed on Line 1. This identifies the document as an OMEGACOMM document. This instruction must be given at the beginning of all OMEGACOMM documents.

TRANSMISSION INSTRUCTIONS:

CHAT CHAT allows the operators of both wordprocessors to talk to each other using the keyboard.

When communicating in CHAT mode, characters typed are sent to the screen of the other wordprocessor when RETURN is pressed or when a full line has been typed.

A prompt lets you know when to type. It is: >>
Lines received from the other wordprocessor do not have the >> prompt in front of them.

The RED key exits CHAT mode. Either operator may exit CHAT by pressing the RED key. This displays a message, "Press Y for next instruction, RED to go to OMEGA, N to continue current function." To proceed with the communications press "Y".

CHAT should not be used for UNATTENDED operation, unless it is the first transmission instruction to provide initial conversation with the other operator. UNATTENDED operation will stop for CHAT. If no operator is in attendance to terminate CHAT mode, communication will stop. (See "Set-Up Instructions" for a description of UNATTENDED.)

SEND "document name"

SEND is used to send a document to the other wordprocessor. The name of the document to send is surrounded by quote marks. No corresponding instruction in the other wordprocessor is required.

The document to send is taken from the disk in the default drive (usually drive B), or from the disk named in the DISK instruction, if given in the OMEGACOMM document. Regardless of the standard drive or the drive specified in the DISK instruction, you can specify the disk from which the document is to come. Precede the document name with the disk letter, followed by a colon (:). This specification, when used, overrides both the standard drive and the drive specified by the DISK instruction (if included). (See "Set-Up Instructions" for a description of DISK.)

Examples:

```
SEND "Page 33 "
SEND "Early American Pottery Discoveries"
SEND "A:GLOSSARY"
```

The last SEND instruction sends the document GLOSSARY from drive A. If there is no GLOSSARY on the disk in drive A, then no document will be sent, even if there is a GLOSSARY in another drive.

There is an easy way to put the name of an OMEGA document in the OMEGACOMM document. Type SEND, followed by a space. Then INDEX the disk, put the cursor on the name of the document to be sent, and press DOCUMENT. Press RETURN to get back to the OMEGACOMM document. The document name is displayed, surrounded by quotes. Note: sometimes spaces appear after the last word and before the closing quote mark. Any spaces that may be inserted before the closing quote cause no problems.

REQUEST "document name"

REQUEST is used to copy a document from the other wordprocessor. The name of the requested document is surrounded by quote marks. No corresponding instruction in the other wordprocessor is required.

Unless specified otherwise, the document is put on the default disk (usually disk B). The default drive can be changed by including the DISK instruction in the OMEGACOMM document. Or, the disk to save the document on can be specified in the REQUEST instruction. To do this, precede the document name with the disk letter, followed by a colon (:). This specification, when used, overrides both the standard drive and the drive specified by the DISK instruction (if included).

Examples:

```
REQUEST "Page 33 "
REQUEST "Early American Pottery Discoveries"
REQUEST "A:GLOSSARY"
```

The first two of these request instructions put the document on the default disk. The last REQUEST instruction puts the GLOSSARY on drive A. If there is no room for the GLOSSARY on the disk in drive A, or if there is no disk in drive A, then the document will not be received. Note that "A:" defines the disk the document is to be stored on, not the disk where it comes from.

SET-UP INSTRUCTIONS:

Several additional OMEGACOMM instructions are available. They are: DISK, FILTER, REPEAT, UNATTENDED, CONNECTOR, and BAUD. Any of these may be included in the OMEGACOMM document as set-up instructions for communications. The set-up instructions are typed before the transmission instructions. They may be typed in any order, each instruction on a separate line. Note that if no set-up instructions are given, the default values will be used.

DISK "drive name"

This is an optional instruction which redefines the default disk. The disk drive letter is typed in quotes. Documents sent to the other wordprocessor are normally taken from the default disk. Documents received from the other wordprocessor are normally put on the default disk.

If the DISK instruction is omitted, the default disk is used. The default disk is usually the disk in Drive B, unless it is set to another drive by a Compucorp representative.

Examples:

```
DISK "A"
DISK "B"
```

Regardless of the disk specified in the DISK instruction, (or if omitted, the standard default disk), any SEND or RECEIVE instruction can specify a different disk for a particular document.

A special form of the DISK instruction is:

```
DISK " "
```

The two quote marks appear together, with no character between them. This tells OMEGACOMM to look at all the disk drives, starting with the lowest lettered drive (usually A), for the document to send or for space to store a document copied from the other wordprocessor. The first drive found with the document to send is used. Likewise, the first drive with enough space to store a transmitted document is used.

FILTER "filter name" or OMEGAFILTER

This instruction reloads the print filter upon return to OMEGA. FILTER or OMEGAFILTER is necessary only if a print filter is used and the SIO connector at the back of the machine (# 22) is used for both the printer cable and the communications cable.

As the print filters are configured differently for OMEGA Level A/Level B1.00, and for Level B1.01 and up, so is the filter instruction:

Level A and B1.00: **FILTER "filter name"**

The name typed in quotes is the name of the print filter.

Level B1.01 and higher: **OMEGAFILTER**

This instruction does not require a name typed in quotes after the word OMEGAFILTER.

REPEAT During normal running of OMEGACOMM, after all the instructions from both OMEGACOMM documents have been executed, the wordprocessor returns to OMEGA. The REPEAT instruction is used to automatically return to OMEGACOMM, so that it is available to "link-up" with another wordprocessor. This is useful when the operator wants the wordprocessor to remain available to receive or send data to other wordprocessors.

UNATTENDED During normal running of OMEGACOMM (when UNATTENDED is not used), some operations require a response from the operator before communication can continue. When the UNATTENDED instruction is given, operation does not wait for operator response -- it continues automatically. The exception to this is CHAT, which will wait for operator action even when in UNATTENDED mode.

Some conveniences are available with unattended operation. One OMEGA may be prepared for communication, using an auto-answer modem. It will wait indefinitely for the communication link to be established by the other OMEGA. Once established, communication can proceed without attention by either operator. When transmission is done, the link can be automatically disconnected, and the phone "hung-up".

CONNECTOR "connector number"

This redefines the connector used for document transmission. The connector number is typed in quotes. The cable to the modem (or the hardwired cable) plugs into the connector on the back of the wordprocessor defined by the CONNECTOR instruction.

If the CONNECTOR instruction is omitted, the default connector is used. This is usually connector number 50, unless it was set to another connector by a Compucorp representative.

The connectors on the wordprocessor back panel are labeled. The corresponding connector numbers are:

Connector Label	Connector Number	Connector Instruction	Comments
SIO	22	CONNECTOR "22"	Standard SIO connector.
SCC CH 0	50	CONNECTOR "50"	Option 6xx-015 must be installed
SCC CH 1	58	CONNECTOR "58"	Option 6xx-015 must be installed

The connector being used is reported on the screen when OMEGACOMM is running.

BAUD "baud rate"

This redefines the speed (baud rate) at which documents are transmitted. The baud rate is typed in quotes. The allowed baud rates and the equivalent character speeds are:

Baud Rate	Characters Per Second
110	10
150	15
300	30
600	60
1200	120
2400	240
4800	480
9600	960

The baud rate that may be used is usually determined by the communications equipment (modem or acoustic coupler). Modems typically run at 1200 baud. Acoustic couplers usually run at 300 baud.

If the BAUD instruction is omitted, the default baud rate is used. The default baud rate is usually 1200, unless it was set to another allowable value by a Compucorp representative.

The baud rate being used is reported on the screen when OMEGACOMM is running.

Example: BAUD "1200"

SAMPLE OMEGACOMM DOCUMENTS

1) **OMEGACOMM** This is typed on Line 1, identifying this as an OMEGACOMM document.

SEND "Memo to Jones, 3-16.81"
Send this document from the default disk drive to other wordprocessor.

SEND "Medieval Clay Tablet Discoveries"
Send this document from the default disk drive to other wordprocessor.

REQUEST "Daily Attendance Log"
Get this document from the other wordprocessor, copy saved on the default disk drive.

2) **OMEGACOMM** This is typed on Line 1.

DISK "C" Use disk drive C to send documents from, and to save transmitted documents on.

CHAT Initial conversation with the other operator.

SEND "A:Memo to Jones, 3-16.81"
Override the DISK instruction and send this document from disk A to the other wordprocessor.

SEND "Medieval Clay Tablet Discoveries"
Send this document from disk C to the other wordprocessor.

REQUEST "B:Daily Att. Log"
Get this document from the other wordprocessor and store it on disk B. This overrides the DISK instruction.

3) **OMEGACOMM** This is the only instruction in the OMEGACOMM document, giving the other wordprocessor total control. This wordprocessor will do only what the other wordprocessor wants. All default values are used.

4) **OMEGACOMM** This is typed on Line 1.

DISK " " This overrides the default disk drive. Beginning with the lowest drive, look for the document to be sent or for space to store the transmitted document.

CONNECTOR "22" This tells OMEGACOMM that instead of plugging into the default connector (usually #50), the the communication cable is plugged into the SIO connector (#22).

OMEGAFILTER Re-load the print filter on Omega Level B after communications have ended, upon return to OMEGA. This instruction is necessary because the operator is using the same connector (SIO #22) for the printer and for communications.

REQUEST "September Forecast"
Get this document and store on the first disk with enough room to hold the document.

MODEM SELECTION

A wide variety of modems is available from modem suppliers. Modems are classified by type. Generally, a modem of one type cannot talk to a modem of another type. Modems from different manufacturers, even though they may be of the same type, may have different operating characteristics and different options available. A likely cause of failure to perform OMEGACOMM communications is incorrect configuration, connection and operation of the modem and the associated telephone.

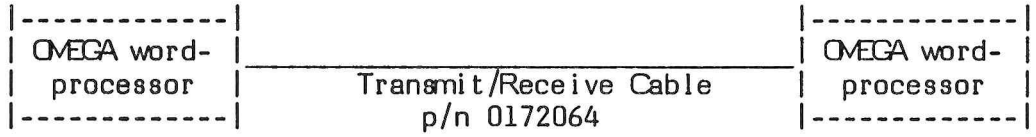
To help to avoid such problems, instructions are given in this manual for operation with the Bell System "Dataphone 300/1200" Type 212A modem. This modem is available from all telephone companies in the U.S. The operating procedures for other specific modems must be specified by your Compucorp representative.

COMMUNICATION CONNECTION CONFIGURATIONS

HARDWIRED CONNECTION

"Hardwired" refers to the way two wordprocessors are connected, which is by cable only. No modems or telephones are used. The two wordprocessors must be physically close enough to connect them with a cable.

Hardwired Configuration:



The Transmit/Receive Cable is plugged into the connector used for communications at the back of the wordprocessor.

Length of Signal Cable:
Allowable length of the Transmit/Receive Cable used for hardwired connection is dependent on the type of cable used and the baud rate. Approximate maximum lengths are:

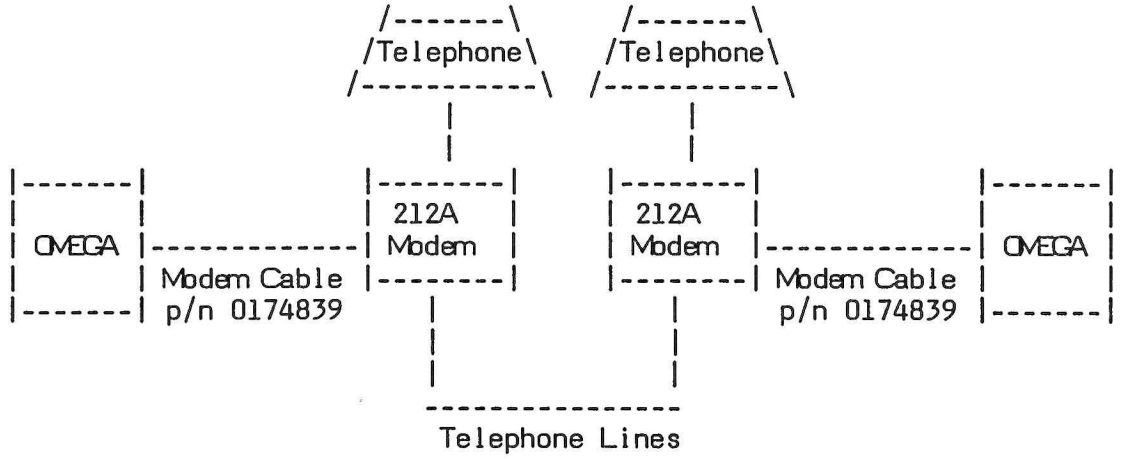
Baud Rate	Length Meters
9600	75
4800	150
2400	300
1200	600
600	1200
300	2400

The communication method used by OMEGACOMM contains error checking logic. Data is transmitted in blocks, with control information that enables the receiving OMEGA to detect transmission errors and ask for re-transmission. If the cable is too long for the baud rate being used, excessive errors and re-transmissions will occur, and transmission time will increase. A lower baud rate should be used.

TELEPHONE/MODEM CONNECTION

The diagram below shows how the modem is hooked up to the telephone, telephone lines and the wordprocessor. The configuration shown is for the Bell System "Dataphone 300/1200" Type 212A modem. The cable length and wiring are given below.

Telephone/Modem Configuration:



Length of Signal Cables:
Modem cables are usually short (around 3 meters), since the modem is close to the wordprocessor. This length will cause no problems.

RUNNING OMEGACOMM

This section describes how to run OMEGACOMM using the Bell System "Dataphone 300/1200" Type 212A modem. Operation of other modems may be different, although operation of other 212 style modems will be similar. If you are using a different type of modem, consult your Compucorp representative for operating instructions.

The first part of this section goes over modem connection; the second part gives instructions for voice communication through the telephone before data communication; and the third part gives instructions for data communication without voice communication.

If two wordprocessors are in the same building and will be communicating via "hardwired"[1] connection use these instructions, leaving out the steps that refer to telephone or modem functions (or use the condensed instructions given under "Connect the Modems").

The telephone has two buttons that are used. The left-most button is usually colored and labeled "DATA". The second button is usually the next one to the right and labeled "TALK" or "LINE". It is referred to as TALK in the instructions below.

Before communication can be done, the modems must be connected and the OMEGACOMM document must be created on both OMEGA wordprocessors.

CONNECT THE MODEMS:

The Connection Configuration section of this manual describes how to connect the Bell "Dataphone 300/1200" type 212A modem. Other modems may have different configurations. Refer to the operator's manual for the specific modem being used.

The HS (High Speed) switch of both modems should be in, for 1200 baud operation. The other four switches (AL, ST, RDL, and DL) should be out.

If performing communication with a hardwired connection, connect the Transmit/Receive cable (p/n 0172064) to each wordprocessor. Then both wordprocessors execute OMEGACOMM: INDEX the disk which has the OMEGACOMM document. Point to the OMEGACOMM document with the cursor, and press COMMAND GREEN key. OMEGACOMM will be activated.

See one of the sections below for either voice communication on the telephone before data communications or for data communication without voice communication.

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[1]Hardwired refers to the way the two wordprocessors are connected, which is by cable only. The two wordprocessors are physically close enough so that a modem is not necessary.

VOICE COMMUNICATION BEFORE DATA COMMUNICATION:

1) **Check that the TALK button is down.**
The TALK buttons of both telephones should be down. This allows dialing and voice communication.

2) **Dial the phone.**
Pick up the handset of the originating telephone (The light on the TALK button should be lit when the phone is picked up), get a dial tone, and dial the number of the other wordprocessor.

3) **Answer the phone.**
The operator of the other wordprocessor answers the phone when it rings. The light on the TALK button should be lit when the phone is picked up. Normal voice communication can now be done.

4) **Activate OMEGACOMM.**
When the voice conversation is complete, communication may be established. Both wordprocessors do the following:

4a) **Execute OMEGACOMM.**
INDEX the disk which has the OMEGACOMM document. Point to the OMEGACOMM document with the cursor, and press COMMAND GREEN key. OMEGACOMM will be activated.

After a short time, the screen will display the announcement of the OMEGACOMM utility, the baud rate, the connector that will be used and other information. It will then display, "Attempting to establish communication link".

4b) **Check that the TR light is ON.**
When both wordprocessors show the message, "Attempting to establish communication link", check that the TR (Terminal Ready) light is on both modems. If the light is not on, data communication cannot be performed.

If the light is not on try pressing the RED key and then "N".[2] If the light still does not go on, press the RED key twice to go back to OMEGA. Then check to see if the cables are hooked up correctly. Be sure the cable to the word processor is connected to the default connector or as specified in the CONNECTOR instructions, if they are given. After all cables and the OMEGACOMM document have been checked, execute OMEGACOMM again.

If the light still does not come on, call your Compucorp service representative.

4c) **Press the DATA button and hang up.**
When the TR light is on and the message, "Attempting to establish communication link", displays, the operator who answered the phone presses DATA and hangs up.

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[2]RED key displays the prompt, "Press Y for next instruction, RED to go to OMEGA, N to continue current function." Press "N" to continue the communication attempt.

When the high-pitched tone is heard on the other phone, the calling operator presses DATA and hangs up. Communication will now be established.

When communication is established the word THERE or HERE displays after the message, "Control is". If this does not happen after a moment or two, press the RED key then type "N".[3]

If communication is still not established, both operators should push the TALK button down and resume the conversation to discuss what may be wrong. Both wordprocessors then press the RED key twice to return to OMEGA. Check that any set-up instructions in the OMEGACOMM document are correct, that all cables are hooked up correctly and that the disks are in the proper drives. When ready to establish communications again, both operators execute OMEGACOMM again (repeat step 4).

If more attempts to establish communications fail, contact your Compucorp representative.

5) **Data is transmitted.**
When the communication link has been established, one of the two wordprocessors will gain control. Whether control is HERE or THERE is indicated on the screen. The wordprocessor that has control first will execute all its instructions, and then give control to the other wordprocessor, which will then perform its instructions.

6) **CHAT, SEND, and REQUEST operation.**
If the current function is CHAT, press the RED key to terminate "chat mode" and go to the next instruction. Pressing the RED key displays the prompt, "Press Y for next instruction, RED to go to OMEGA, N to continue current function." Press "Y" to proceed to the next instruction. (See the description of CHAT under "OMEGACOMM Instructions", above.)

The SEND and REQUEST instructions are terminated automatically after the document has been transmitted. OMEGACOMM automatically goes to the next instruction.

7) **Return to OMEGA or OMEGACOMM.**
After all instructions from both wordprocessors have been executed, the wordprocessors will return to OMEGA. If the REPEAT instruction is included in the OMEGACOMM document, the system returns to OMEGACOMM.

Note: If it is necessary to break communications before all the OMEGACOMM instructions have been executed, press the RED key twice to break communications and return to OMEGA.

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[3]RED key displays the prompt, "Press Y for next instruction, RED to go to OMEGA, N to continue current function." Press "N" to continue the communication attempt.

DATA COMMUNICATION WITHOUT VOICE COMMUNICATION:

ANSWERING WORDPROCESSOR:

1) **Activate OMEGACOMM.**
INDEX the disk which has the OMEGACOMM document. Point to the OMEGACOMM document with the cursor and press COMMAND GREEN key. OMEGACOMM will be activated.

After a short time, the screen will display the announcement of the OMEGACOMM utility, the baud rate, the connector that will be used, and other information. It will then show the message: "Attempting to establish communication link".

2) **Check that the TR light is on.**
When the wordprocessor displays, "Attempting to establish communication link", check that the modem's TR (Terminal Ready) light is on. No further action on the answering wordprocessor is required. The originating wordprocessor may now call.

If the light is not on, data communication cannot be done. Try pressing the RED key, then type "N".[4] If the light still does not go on, press the RED key twice to go back to OMEGA. Check that any set-up instructions in the OMEGACOMM document are correct, that all cables are hooked up correctly and that the disks are in the proper drives. When ready to establish communications again, execute OMEGACOMM again (COMMAND GREEN key).

If the light still does not come on, call your Compucorp representative.

3) **The buttons on the telephone may be up or down.**
The phone buttons on the answering word processor are not used, and therefore may be in any position.

ORIGINATING WORDPROCESSOR:

1) **Activate OMEGACOMM**
INDEX the disk which has the OMEGACOMM document. Point to the OMEGACOMM document with the cursor, and press COMMAND GREEN key. OMEGACOMM will be activated.

After a short time, the screen will display the announcement of the OMEGACOMM utility, the baud rate, the connector that will be used, and other information. It will then show the message: "Attempting to establish communication link".

---

[4]RED key displays the prompt, "Press Y for next instruction, RED to go to OMEGA, N to continue current function." Press "N" to continue the communication attempt.

2) **Check that TR light is on.**
When the wordprocessor displays, "Attempting to establish communication link", check that the modem's TR (Terminal Ready) light is on. When the TR light is on, the phone call can be made.

If the light is not on, data communication cannot be done. Try pressing the RED key, then type "N".[5] If the light still does not go on, press the RED key twice to go back to Omega. Check that any set-up instructions in the Omegacomm document are correct, that all cables are hooked up correctly and that the disks are in the proper drives. When ready to establish communications again, execute OMEGACOMM again (COMMAND GREEN key).

If the light still does not come on, call your Compucorp representative.

3) **TALK button is down.**
The TALK button of the originating wordprocessor must be down. This allows dialing the other wordprocessor.

4) **Dial the phone.**
Pick up the handset, get a dial tone (the TALK button must be down and its light on), and dial the number of the other wordprocessor.

5) **Hear a tone.**
There is a high-pitched tone when the modem of the other wordprocessor answers.

6) **Press the DATA button, then hang up the telephone.**
Push the telephone's DATA button (the TALK button pops up) and hang up the telephone. Communication will now be established.

When communication is established the word THERE or HERE displays after the message, "Control is". If this does not happen after a moment or two, press the RED key then type "N" (see footnote at bottom of this page).

If communication is still not established, press the RED key twice to return to OMEGA. Check that the cable is connected to the proper position at the back of the word processor. The CONNECTOR instruction in the OMEGACOMM document determines where the cable is connected, or if not given, the standard connector must be used. When ready to establish communications again, execute OMEGACOMM (COMMAND GREEN key).

If, after more attempts, communication is still not established, contact your Compucorp representative.

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[5]RED key displays the prompt, "Press Y for next instruction, RED to go to OMEGA, N to continue current function." Press "N" to continue the communication attempt.

7) **Data is transmitted.**
When the communication link has been established, one of the two wordprocessors will gain control. Whether control is HERE or THERE is indicated on the screen. The wordprocessor that has control first will execute all its instructions, and then give control to the other wordprocessor, which will then perform its instructions.

8) **CHAT, SEND, and REQUEST operation.**
If the current function is CHAT, press the RED key to terminate "chat mode" and go to the next instruction. Pressing the RED key displays the prompt, "Press Y for next instruction, RED to go to OMEGA, N to continue current function." Press "Y" to proceed to the next instruction. (For a description of CHAT, see section "OMEGACOMM Instructions.")

The SEND and REQUEST instructions are terminated automatically after the document has been transmitted. OMEGACOMM automatically goes to the next instruction.

9) **Return to OMEGA or OMEGACOMM.**
After all instructions from both wordprocessors have been executed, the wordprocessors will return to OMEGA. If the REPEAT instruction is included in the OMEGACOMM document, the system returns to OMEGACOMM.

Note: If it is necessary to break communication before all the OMEGACOMM instructions have been executed, press the RED key. This displays the prompt, "Press Y for next instruction, RED to go to OMEGA, N to continue current function." Then press the RED key to break communications and return to OMEGA.

IDENTIFICATION OF RECEIVED DOCUMENTS

Names of received documents are shown on the INDEX display followed by dots. This provides easy identification of documents that were put on the disk by OMEGACOMM.

Example:

DOCUMENT NAME	AUT	CREATED	REVISED		PAGES
GLOSSARY		01/16/81	01/19/81	08:08P	1
Fergusson Agreements.....		02/14/81	00/00/00	00:00	3
Distribution of Reserves		02/10/81	00/00/00	00:00	2
Minutes, March 1 meeting.....		03/03/81	00/00/00	00:00	5

The second and fourth documents in this index were received with OMEGA-COMM.

ERROR MESSAGES RETURNED TO THE OPERATOR

During the course of the communication, messages are displayed on the screen whenever instructions cannot be executed correctly. There are two kinds of messages, system messages generated by the Operating System, and Omega-comm messages generated by the communications. All messages have message numbers. Many times both the O.S. message and the OMEGACOMM message are reported. Often the message is accompanied by a short description.

All messages have 4 digits. OMEGACOMM messages start with 08. Operating System messages start with 00.

The message numbers and their meanings are:

OMEGACOMM messages:

0802 Can't read the OMEGACOMM Document correctly.
0803 Can't find the CONNECTOR. The CONNECTOR specified by the CONNECTOR instruction or by default can't be found.
0804 The transmitter/receiver program (TXRX) can't be loaded.
0805
0806 Illegal baud rate specified. Legal rates are 110, 150, 300, 600, 1200, 2400, 4800, and 9600.
080B
080C The other OMEGA has terminated communications.
080E Retry count exceeded.
080F Transmission conflict
0810
0811
0812 Can't write the file being received to the disk.
0813 Can't read from the disk the file being transmitted.
0814
0815
0816 Other OMEGA is cancelling the current function
081E Can't find the document to be transmitted.
0820 The document name is too big (35 characters maximum for OMEGA documents, 11 characters maximum for FMS files).
0821 Illegal file type (outside the range 0-255)
0822 No document was specified in the SEND instruction.
0823
0824
0825 Can't reserve space on the disk to hold the document. There may not be enough room on the disk, or the disk may not be on-line.
0826 Can't find the disk specified. It is not on-line.
0851 Communication line was broken during transmission (telephone disconnected, plug out of wordprocessor, etc...).

Operating System Message Numbers:

0012 - 0016
Error in reading to/ writing from the disk.

0017 No disk in the drive specified, or the disk is not available for some other reason.
Communication line broken during transmission.

0019 Diskette is write protected. Cover the notch on the side of the diskette.

0033 Communication connection was broken during transmission (telephone disconnected, plug out of wordprocessor, etc...).

0034 Break in communications.

0051 Communication connection was broken during transmission (telephone disconnected, plug out of wordprocessor, etc...).

005E There may be several causes for this:
1) There isn't enough room on the disk to hold the document.
2) The diskette is write protected (see 0019)
3) The diskette being used to receive the document hasn't been prepared (OMEGA function COMMAND PD).

Additional messages may rarely appear. A more complete list of O.S. messages is given in Compucorp's BASIC Programmer's Manual.